



Docket No.: M4065.0609/P609-D  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Jiutao Li

Application No.: 10/758,009

Confirmation No.: 6261

Filed: January 16, 2004

Art Unit: 2811

For: AGGLOMERATION ELIMINATION  
FOR METAL SPUTTER DEPOSITION  
OF CHALCOGENIDES

Examiner: Not Yet Assigned

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the references on the PTO/SB/08 are not provided.

Those patents or publications which are marked with a double asterisk (\*\*) next to the Cite No. in the attached form PTO/SB/08 (facsimile) are not supplied because

they were previously cited by or submitted to the Office in a prior application number 09/809,331, filed March 15, 2001, now patent no. 6,734,455, issued May 11, 2004 and relied upon in this application for an earlier filing date under 35 U.S.C. 120.

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1073, under Order No. M4065.0609/P609-D.

Dated: July 27, 2004

Respectfully submitted,

By 

Thomas J. D'Amico

Registration No.: 28,371

Elizabeth Parsons

Registration No.: 52,499

DICKSTEIN SHAPIRO MORIN &

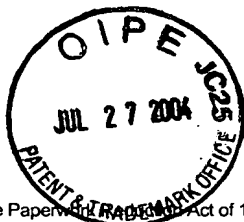
OSHINSKY LLP

2101 L Street NW

Washington, DC 20037-1526

(202) 785-9700

Attorneys for Applicant



PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U. S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/758,009
				Filing Date	January 16, 2004
				First Named Inventor	Li Jiutao
				Art Unit	2811
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	M4065.0609/P609-D

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	**AA	2002/0132417	09/09/2002	Li	
	**AB	2002/0160551	10/31/2002	Harshfield	
	**AC	2002/0168852	11/14/2002	Harshfield et al.	
	**AD	2002/0190289	12/19/2002	Harshfield et al.	
	**AE	2003/0032254	02/13/2003	Gilton	
	**AF	2003/0038301	02/27/2003	Moore	
	**AG	2003/0043631	03/06/2003	Gilton et al.	
	**AH	2003/0045049	03/06/2003	Campbell et al.	
	**AI	2003/0045054	03/06/2003	Campbell et al.	
	**AJ	2003/0047765	03/13/2003	Campbell	
	**AK	2003/0047772	03/13/2003	Li	
	**AL	2003/0047773	03/13/2003	Li	
	**AM	2003/0048519	03/13/2003	Kozicki	
	**AN	2003/0049912	03/13/2003	Campbell et al.	
	**AO	2003/0068861	04/10/2003	Li	
	**AP	2003/0068862	04/10/2003	Li	
	**AQ	2003/0095426	05/22/2003	Hush et al.	
	**AR	2003/0096497	05/22/2003	Moore et al.	
	**AS	2003/0107105	06/12/2003	Kozicki	
	**AT	2003/0117831	06/26/2003	Hush	
	**AU	2003/0128612	07/10/2003	Moore et al.	
	**AV	2003/0137869	07/24/2003	Kozicki	
	**AW	2003/0143782	07/31/2003	Gilton et al.	
	**AX	2003/0155589	08/21/2003	Campbell et al.	
	**AY	2003/0155606	08/21/2003	Campbell et al.	
	**AZ	2003/0156447	08/21/2003	Kozicki	
	**AA1	2003/0156463	08/21/2003	Casper et al.	
	**AB1	2003/0209728	11/13/2003	Kozicki et al	
	**AC1	2003/0209971	11/13/2003	Kozicki et al	
	**AD1	2003/0210564	11/13/2003	Kozicki et al	
	**AE1	US 2003/0212724	11/2003	Ovshinsky et al.	
	**AF1	US 2003/0048744	3/2003	Ovshinsky et al.	
	**AG1	US 2003/0212725	11/2003	Ovshinsky et al.	
	**AH1	US 2004/0035401	2/2004	Ramachandran et al.	
	**AI1	4,381,517	04/1983	Harada	
	**AJ1	4,804,490	02/14/1989	Pryor et al.	
	**AK1	4,920,078	04/24/1990	Bagley et al.	
	**AL1	5,330,630	07/19/1994	Klersy et al.	
	**AM1	5,363,329	11/1994	Troyan	
	**AN1	5,814,527	9/29/1998	Wolstenholme et al	
	**AO1	5,818,749	10/06/1998	Harshfield	
	**AP1	5,837,564	11/17/1998	Sandhu et al.	
	**AQ1	5,851,882	12/22/1998	Harshfield	
	**AR1	5,869,843	2/9/1999	Harshfield	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/758,009
				Filing Date	January 16, 2004
				First Named Inventor	Li Jiutao
				Art Unit	2811
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	M4065.0609/P609-D

	**AS1	5,933,365	08/03/1999	Klersy et al.	
	**AT1	6,031,287	2/29/2000	Harshfield	
	**AU1	6,177,338	1/2001	Liaw et al.	
	**AV1	6,236,059	5/2001	Wolsteinholme et al.	
	**AW1	6,420,260	07/2002	Ngan et al.	
	**AX1	6,420,725	7/16/2002	Harshfield	
	**AY1	6,429,127	08/2002	Derderian et al.	
	**AZ1	6,440,837	8/27/2002	Harshfield	
	**AA2	RE 37,259E	7/2001	Ovshinsky	
	**AB2	3,271,591	9/1966	Ovshinsky	
	**AC2	3,961,314	6/1976	Klose et al.	
	**AD2	3,966,317	6/1976	Wacks et al.	
	**AE2	3,983,542	11/1976	Ovshinsky	
	**AF2	3,988,720	10/1976	Ovshinsky	
	**AG2	4,177,474	12/1979	Ovshinsky	
	**AH2	4,267,261	5/1981	Hallman et al.	
	**AI2	4,597,162	7/1986	Johnson et al.	
	**AJ2	4,608,296	8/1986	Keem et al.	
	**AK2	4,637,895	1/1987	Ovshinsky et al.	
	**AL2	4,646,266	2/1987	Ovshinsky et al.	
	**AM2	4,664,939	5/1987	Ovshinsky	
	**AN2	4,668,968	5/1987	Ovshinsky et al.	
	**AO2	4,670,763	6/1987	Ovshinsky et al.	
	**AP2	4,673,957	6/1987	Ovshinsky et al.	
	**AQ2	4,678,679	7/1987	Ovshinsky	
	**AR2	4,696,758	9/1987	Ovshinsky et al.	
	**AS2	4,698,234	10/1987	Ovshinsky et al.	
	**AT2	4,710,899	12/1987	Young et al.	
	**AU2	4,728,406	3/1988	Banerjee et al.	
	**AV2	4,737,379	4/1988	Hudgens et al.	
	**AW2	4,766,471	8/1988	Ovshinsky et al.	
	**AX2	4,769,338	9/1988	Ovshinsky et al.	
	**AY2	4,775,425	10/1988	Guha et al.	
	**AZ2	4,788,594	11/1988	Ovshinsky et al.	
	**AA3	4,809,044	2/1989	Pryor et al.	
	**AB3	4,818,717	4/1989	Johnson et al.	
	**AC3	4,843,443	6/1989	Ovshinsky et al.	
	**AD3	4,845,533	7/1989	Pryor et al.	
	**AE3	4,853,785	8/1989	Ovshinsky et al.	
	**AF3	4,891,330	1/1990	Guha et al.	
	**AG3	5,128,099	7/1992	Strand et al.	
	**AH3	5,159,661	10/1992	Ovshinsky et al.	
	**AI3	5,166,758	11/1992	Ovshinsky et al.	
	**AJ3	5,177,567	1/1993	Klersy et al.	
	**AK3	5,296,716	3/1994	Ovshinsky et al.	
	**AL3	5,335,219	8/1994	Ovshinsky et al.	
	**AM3	5,359,205	10/1994	Ovshinsky	
	**AN3	5,341,328	8/1994	Ovshinsky et al.	
	**AO3	5,406,509	4/1995	Ovshinsky et al.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/758,009
				Filing Date	January 16, 2004
				First Named Inventor	Li Jiutao
				Art Unit	2811
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	M4065.0609/P609-D

	**AP3	5,414,271	5/1995	Ovshinsky et al.	
	**AQ3	5,534,711	7/1996	Ovshinsky et al.	
	**AR3	5,534,712	7/1996	Ovshinsky et al.	
	**AS3	5,536,947	7/1996	Klersy et al.	
	**AT3	5,543,737	8/1996	Ovshinsky	
	**AU3	5,591,501	1/1997	Ovshinsky et al.	
	**AV3	5,596,522	1/1997	Ovshinsky et al.	
	**AW3	5,687,112	11/1997	Ovshinsky	
	**AX3	5,694,054	12/1997	Ovshinsky et al.	
	**AY3	5,714,768	2/1998	Ovshinsky et al.	
	**AZ3	5,825,046	10/1998	Czubatyj et al.	
	**AA4	5,912,839	6/1999	Ovshinsky et al.	
	**AB4	5,933,365	8/1999	Klersy et al.	
	**AC4	6,011,757	1/2000	Ovshinsky	
	**AD4	6,087,674	7/2000	Ovshinsky et al.	
	**AE4	6,141,241	10/2000	Ovshinsky et al.	
	**AF4	6,339,544	1/2002	Chiang et al.	
	**AG4	6,404,665	6/2002	Lowery et al.	
	**AH4	6,429,064	8/2002	Wicker	
	**AI4	6,437,383	8/2002	Xu	
	**AJ4	6,462,984	10/2002	Xu et al.	
	**AK4	6,480,438	11/2002	Park	
	**AL4	6,487,113	11/2002	Park et al.	
	**AM4	6,501,111	12/2002	Lowery	
	**AN4	6,507,061	1/2003	Hudgens et al.	
	**AO4	6,511,862	1/2003	Hudgens et al.	
	**AP4	6,511,867	1/2003	Lowery et al.	
	**AQ4	6,512,241	1/2003	Lai	
	**AR4	6,514,805	2/2003	Xu et al.	
	**AS4	6,531,373	3/2003	Gill et al.	
	**AT4	6,534,781	3/2003	Dennison	
	**AU4	6,545,287	4/2003	Chiang	
	**AV4	6,545,907	4/2003	Lowery et al.	
	**AW4	6,563,164	5/2003	Lowery et al.	
	**AX4	6,566,700	5/2003	Xu	
	**AY4	6,567,293	5/2003	Lowery et al.	
	**AZ4	6,569,705	5/2003	Chiang et al.	
	**AA5	6,570,784	5/2003	Lowery	
	**AB5	6,576,921	6/2003	Lowery	
	**AC5	6,586,761	7/2003	Lowery	
	**AD5	6,589,714	7/2003	Maimon et al.	
	**AE5	6,590,807	7/2003	Lowery	
	**AF5	6,593,176	7/2003	Dennison	
	**AG5	6,597,009	7/2003	Wicker	
	**AH5	6,605,527	8/2003	Dennison et al.	
	**AI5	6,613,604	9/2003	Maimon et al.	
	**AJ5	6,621,095	9/2003	Chiang et al.	
	**AK5	6,625,054	9/2003	Lowery et al.	
	**AL5	6,642,102	11/2003	Xu	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	10/758,009
				Filing Date	January 16, 2004
				First Named Inventor	Li Jiutao
				Art Unit	2811
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	M4065.0609/P609-D

**AM5	6,646,297	11/2003	Dennison	
**AN5	6,649,928	11/2003	Dennison	
**AO5	6,667,900	12/2003	Lowery et al.	
**AP5	6,671,710	12/2003	Ovshinsky et al.	
**AQ5	6,673,700	1/2004	Dennison et al.	
**AR5	6,674,115	1/2004	Hudgens et al.	
**AS5	6,687,427	2/2004	Ramalingam et al.	
**AT5	6,690,026	2/2004	Peterson	
**AU5	6,696,355	2/2004	Dennison	
**AV5	6,687,153	2/2004	Lowery	
**AW5	6,707,712	3/2004	Lowery	
**AX5	6,714,954	3/2004	Ovshinsky et al.	

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See attached Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.